

SIMTEK5667

## IN THE UNITED STATES PATENT OFFICE

In re Application of  
Tomitaka Yamashita


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MAR 31 2005

App. No.: 09/723016  
Filed: 11/27/2000  
Conf. No.: 5642  
Title: COMPONENT OF A ROTATING ELECTRICAL  
MACHINE  
Examiner: K. Addison  
Art Unit: 2834

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Ernest A. Beutler  
Reg. No. 19901

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

This is submitted in response to the Examiner's Notice of Non-Compliance, dated March 25, 2005.

**SUBSTITUTE APPELLANTS' BRIEF****REAL PARTY IN INTEREST**

In addition to the appellant, the real party in interest is his assignee, Kabushiki Kaisha Moric, a Japanese company.

**RELATED APPEALS AND INTERFERENCES**

There are no other appeals or interferences that would have a bearing on or be affected by the decision in this appeal.

**STATUS OF CLAIMS**

Claims 1 through 16 remain in this application. The Examiner in response to the previously submitted Brief has objected to the indication of the status of the claims. However In the Examiner's Summary of the rejection forming the basis of this and the preceding brief she has indicated that claims 6-9 and 11-18 are allowed. However she has also indicated there that claims 1-5 and 8-10 are rejected. Thus claims 8 and 9 are both characterized as allowed and rejected. The body of the rejection only claims 1-5 and 10 are rejected thus it is believed that these are the only ones before the Board on appeal. A clean copy of these claims appears in the Appendix to this Brief.

App. No.: 09/723016  
Filed: 11/27/2000  
Conf. No.: 5642

Page 2 of 5

### STATUS OF AMENDMENTS

This case had been appealed previously and in response to Appellants' first Appeal Brief the Examiner reopened prosecution and subsequently issued the second Final Rejection herein appealed. No other response to the Final Rejection was filed so the claims before the Board are as finally rejected.

### SUMMARY OF CLAIMED SUBJECT MATTER

Claim 1, the only independent claim before the Board recites the following elements, which are identified in both the specification and drawings by the noted reference characters:

Element	Reference Number
coils or coil windings	25
pole teeth	23A-D
bobbin	24
bobbin portions surrounding pole teeth	36, 37
integral terminal portion	31
wiring connectors	39, 41 and 42
one conductor terminal end	Y, B and W
other conductor terminal ends exposed in terminal portions	45, 46 and 47
external electrical connector	29

The description of these elements appears in the specification beginning under the heading on page 3 and concluding in the first paragraph on page 6.

This construction provides wiring conductors having one terminal end connected at least one of the coil ends and another terminal end connected to one external electrical connector through the terminal portion to eliminate the need for a soldered joint therebetween.

### GROUND OF REJECTION TO BE REVIEWED ON APPEAL

The rejections appealed are whether the construction of each of claims 1, 4, 5 and 10 is anticipated under 35 USC 102(b) by Japanese Published Application JP07-163077 (Makoto).

App. No.: 09/723016  
Filed: 11/27/2000  
Conf. No.: 5642

Page 3 of 5

### APPELLANT'S ARGUMENTS

#### Claim 1

Obviously to determine the answer to this question the Board need only look to see if each limitation of each rejected claim is shown in the reference the Examiner refers to as "Makoto" is present. It should be noted that in the previous Final Rejection previously briefed this reference was referred to as "Arai" and was only applied against claims 10 and 15-18. It was used for its alleged showing of a "terminal hole and connector block". Thus it is surprising that it is now applied as a complete anticipation of the claimed structure.

To assist the Board in its determination claim 1 is reproduced below with the distinguishing portions underlined.

1. A component of a rotating machine comprised of a plurality of coils each wound on the pole teeth of a core through a bobbin, said bobbin having portions surrounding said pole teeth of said core for receiving coil windings and an integral terminal portion spaced radially from the coil windings, a plurality of wiring conductors integrally carried by said bobbin coil winding receiving portions, each of said wiring conductors having one terminal end connected at least one of said coil ends and another terminal end exposed within said terminal portion for connection to one external electrical connector through said terminal portion.

#### Claim 4

Again the claim is reproduced below with its distinguishing portions underlined:

4. A component of a rotating machine as set forth in claim 3 wherein the other terminal end of all of the conductors are carried by one of the mating bobbin halves.

#### Claim 5

Again the claim is reproduced below with its distinguishing portions underlined:

5. A component of a rotating machine as set forth in claim 4 wherein the one of the mating bobbin halves is molded with the conductor other terminal ends molded into the one mating bobbin half.

App. No.: 09/723016  
Filed: 11/27/2000  
Conf. No.: 5642

Page 4 of 5

### Claim 10

Again the claim is reproduced below with its distinguishing portions underlined:

10. A component of a rotating machine as set forth in claim 1 the bobbin is formed, integrally, with a plurality of internal wiring connectors each being formed with a terminal hole into which is led a coil end and with terminal hole into which is led one end of the wiring conductors, and further including a connecting block to be inserted in both of said terminal holes and provided with a connection circuit for connecting said coil ends and said wiring conductors.


### SUMMARY

From the foregoing it should be readily apparent that unlike appellants formation of conductors molded into one of the bobbin halves, the reference relied on by the Examiner, whatever name is applied to it, utilizes separate pieces shown best in FIG. 2 that extend through the armature core and which carry metal rings to which the coil ends must be individually attached, presumably by welding. The fact that these pieces are separate from and attached mechanically to the bobbin halves is readily apparent from FIG. 1 as is the fact that the connecting pieces 31 that receive the wire ends are also separately attached pieces. The Board is most respectfully requested to compare this complicated and labor intensive structure with the simple arrangement shown in appellants' FIG. 1.

The invention may appear simple in retrospect, but this is generally true of many inventions that are elegant in their simplicity.

It is submitted that the Examiner has not made out a prima facie case and should be reversed. The Board is respectfully requested to take such action.

Respectfully submitted:



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